

SYSTEM AND METHOD FOR INTERFACE BETWEEN A  
SUBSCRIBER MODEM AND SUBSCRIBER PREMISES INTERFACES

## ABSTRACT OF THE DISCLOSURE

There is disclosed an apparatus for interconnecting a  
5 plurality of communications mediums, including voice frequency and  
broadband frequency to a subscriber communications system at the  
subscriber's premises. The apparatus comprises: 1) a controller  
for coupling and de-coupling communications mediums comprising at  
least one public service telephone network (PSTN) line and at least  
10 one non-public service telephone network (non-PSTN) line, to a  
communication system within the subscriber's premises; 2) lightning  
protection for controller interfaces; 3) a detector circuit for  
detecting power loss in the non-public service telephone network  
connection and 4) fail-over (re-connecting to an alternate circuit)  
15 devices connected to a public service telephone network line;  
and 5) a test circuit for monitoring the condition of a backup  
power supply for the apparatus.